NetDisk/USB2.0 Enclosure

for 3.5” IDE Hard Drive

PHR-100NDAS

User’s Manual

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his or her own risk and expense will be required to correct the interference.

Declaration of Conformity
Macally Peripherals declares that the PHR-100NDAS Enclosure conforms to the following standards, in accordance with the provisions of the EC Directive 89/366/EEC: EN 55022 (CISPR 22:1985), Class A.

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This warranty is exclusive and is limited to PHR-100NDAS Enclosure. This warranty shall not apply to products that have been subjected to abuse, misuse, abnormal electrical or environmental conditions, or any condition other than what can be considered normal use.

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Introducing NetDisk/USB2.0 Enclosure

Thank you for choosing the PHR-100NDAS aluminum NetDisk/USB2.0 3.5" IDE Hard Drive Enclosure. PHR-100NDAS is a high performance network storage device, which can connect directly to wired or wireless Ethernet network switch or router, and share with multiple users at office or home. It can also connect with a computer through USB connection and work as a portable external Hard Drive.

NDAS, a technology developed by XIMETA, Inc, stands for network direct attached storage. NDAS is a better alternative to NAS(network attached storage) or SAN(storage area network) in SOHO environment. NetDisk is much more cost-effective, efficient and easy to use. It is for users looking for lower costs and storage associated with backup/ archiving.

PHR-100NDAS NetDisk utilizes NDAS technology - allowing it to connect the hard disk directly to a network without a server. NetDisk can be used with a variety of applications.

- Multimedia central storage device (MP3s, Digital Photos, Digital Video).
- Use as storage for Personal Computer and Home Networking (storing and sharing files, backup / archiving, etc.)
- Expanding storage requirements.
- Business cost-effective, secondary network storage.
- Public institution's storage for data archives, disclosed data, backups, and data conservation.
- Multi-platform networking (Simultaneous use from Macintosh and Windows)

Before you begin using the PHR-100NDAS, be sure to read this manual in its entirety.
You can reach our tech support by email, techsupport@macally.com or call (626)214-2770 for assistance.

*NDAS and NetDisk are trademarks for XIMETA, Inc.

System Requirements

- Windows PC, Power PC-based Macintosh desktop or NoteBook computer with network wire or wireless capability and USB port
- Windows 2000/ Windows XP
- Mac OS 10.2.8 to Mac 0S 10.4.x *
- Pentium II/compatible or above
- 100Base-T full duplex switch or compatible Internet Router or Wireless Access Point for NDAS mode

*Certain limitations apply to Mac network

Package Contents

The PHR-100NDAS aluminum Netdisk/USB2.0 3.5" IDE Hard Drive Enclosure package includes the following items:

- Netdisk/USB2.0 3.5" IDE Hard Drive Enclosure
- The software CD contains the drivers and manual
- USB2.0 cable
- Ethernet Cable
- AC/DC Adapter

Safety Precautions

ON INSTALLATION

1. To reduce the risk of fire or electric shock, do not expose this product to rain, water or moisture.
2. Do not place any containers with liquids (drinking glass, flower vase, etc.) or containers with small metal parts (paper clips, etc.) on top of the unit.
3. According to standard industry practice, surge protection is recommended for all telecommunications devices. Surge suppressors and/or line conditioning should be used on the input power supply.

ON OPERATION

- Do not move the chassis during operation. Doing so may cause a malfunction.
- Protect the unit from shocks and vibrations.
- Do not use the subsystem in areas exposed to oily smoke or steam, such as a kitchen or close to a humidifier.
- Do not use the subsystem in locations exposed to rain or splashes of water, such as outdoors, in a bathroom, or close to a window.
- Do not use the subsystem on an unstable or slanted surface without proper support.

- Keep the power cord away from hot appliances.
- Do not touch the power cord with wet hands.
- Do not expose the unit to direct sunlight or hot air where the temperature could exceed 45°C, or very cold locations where the temperature is below 0°C.

ON TRANSPORTATION

Save the packing materials as you may need to repack and transport the unit at a later date.
Always remove the disc before moving the unit.

ON POWER SOURCES

When you are not using the unit for a long time, disconnect the power cord from the unit.
To unplug the AC power adapter from the wall outlet, grasp the adapter itself. Do not pull the cord.

Warning

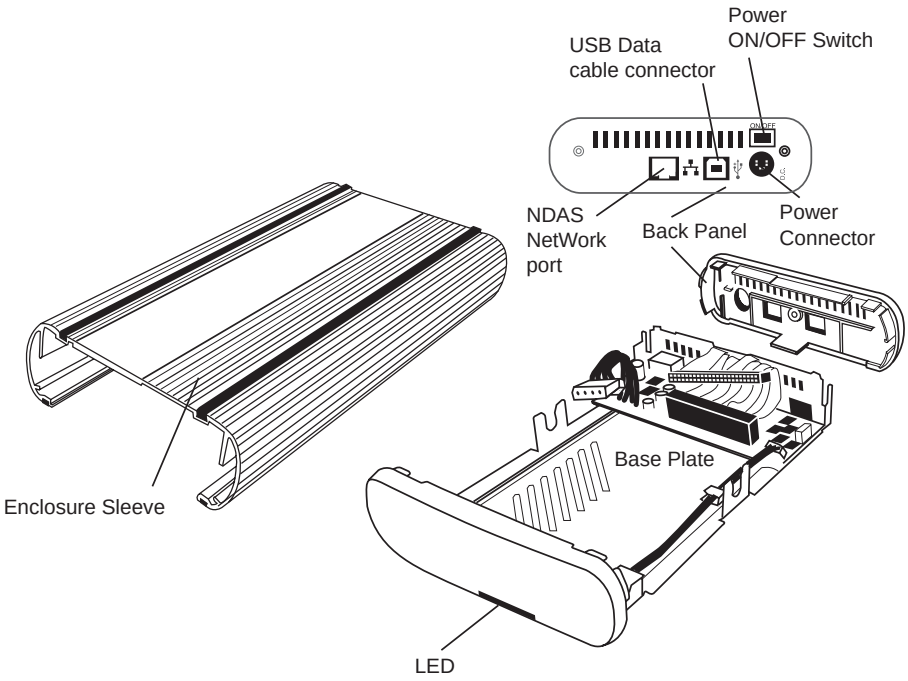
If any of the following conditions occur, immediately disconnect the power cord from the wall outlet and contact your dealer or an authorized service station. Continuing to use the computer involves the risk of fire and electric shock.

- Smoke or unusual smell is coming from the subsystem.
- Water has entered the unit, or the unit has become wet.
- A foreign object has entered the unit.
- The unit has been dropped or the front panel or frame has been damaged.
- The power cable is damaged, causing wire breakage or exposed leads.

Hardware Basic

Precaution:

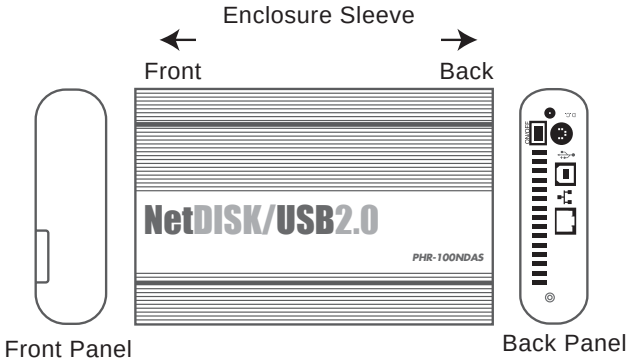
Please make sure your hand is dry and remove static from your body by touching metal parts of your computer chassis.



Package Content:

Enclosure Sleeve	1 USB Data Cable
Base Plate	1 Ethernet Cable
Back Panel	2 - 5mm Diameter Screws
AC Adapter	4 - Anti-Shock Mount with 10mm diameter screw

Hardware Installation

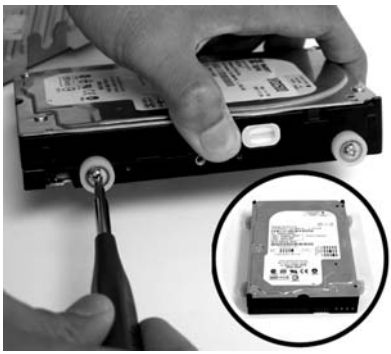


Note: The diagrams below are using the FireWire/USB2.0 Enclosure as an example

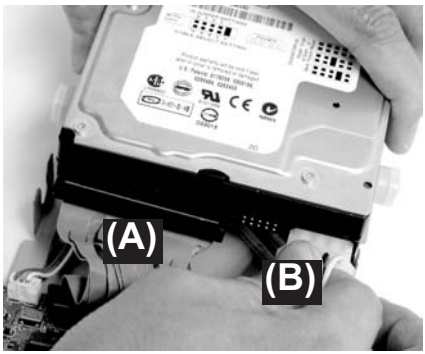
1. Unscrew to loosen the Back Panel and remove the Back Panel from the Enclosure.

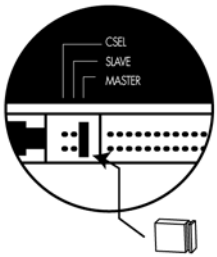
2. Use your thumb to push the Base Plate out.

3. Set the Enclosure Sleeve aside.

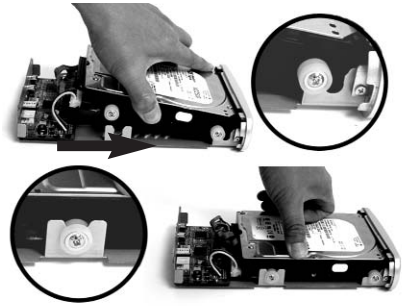


4. Install 4 white Anti-Shock Mounts w/10mm screw into both sides of the hard drive. Do not tighten the screws yet.

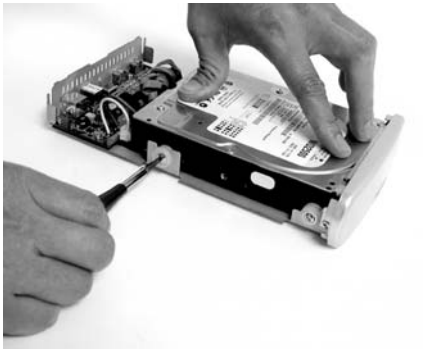




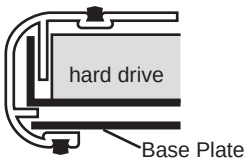
5. Set up the jumper ID as “Master” mode according to the HDD jumper setting spec or “Single Master” mode for Western Digital model hard drive. Connect (A) the 40-pin connector and (B) the power connector from the Base Plate securely to the hard drive.



6. (1)Slide the hard drive into the front Base Plate first and (2) press down on the hard drive, make sure all 4 Anti-Shock Mounts sit inside the Support Slot.



7. Pressing down the hard drive and tighten all 4 screws to secure the hard drive to the Base Plate.



8. Align the Base Plate to the Sleeve Slot. Slide and push the hard drive/Base Plate into the Enclosure Sleeve

9. Install the Back Panel to the Enclosure..

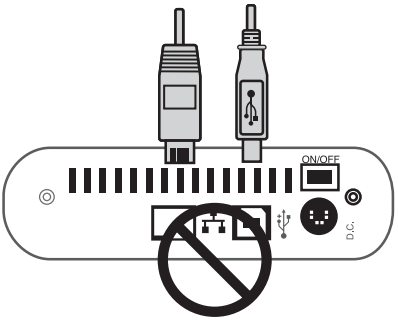
10. Secure the Back Panel with the 5mm diameter screw

11. Plug the AC adapter into the Enclosure to power it on. You may now connect the unit to your network by Ethernet Cable or to your computer using a USB Cable.

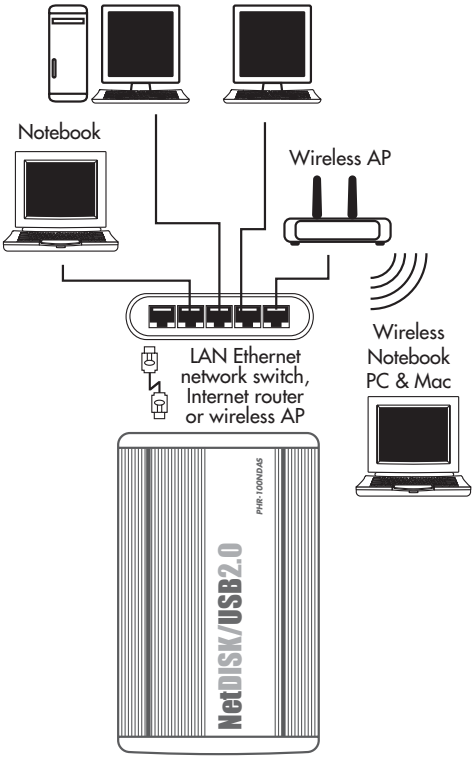
Software Installation

Installation Warning

DO NOT connect USB cable and Ethernet cable at the same time



PHR-100NDAS works under either USB 2.0 mode as external drive for single computer, or network (NDAS) mode as network shared storage. Once NetDisk is connected to your network, it can be accessed from supported wired and wireless computers on your LAN as shown below.



PHR-100NDAS
(Multiple units can be used in the same LAN)

There are two network environments in which NetDisk can be shared. Each has different requirements and characteristics.

Windows 2000/XP Environment:

- All computers and NetDisk must be on the same LAN.
- NetDisk must be connected via Ethernet switch (Hub is not supported)*, Internet Router or Wireless Access Point.
- NetDisk uses NTFS format.
- To share Read and Write access, all computers on the network using the Net Disk must have the same NetDisk driver version 3.x.x installed.
- NetDisk must be registered onto each computer.
- **Write access can be assigned to every Windows 2000/XP computer simultaneously.**

All-Mac Environment or Mixed Environment with Windows 2000/XP and Mac:

- All computers and NetDisk must be on the same LAN.
- NetDisk must be connected via Ethernet switch (Hub is not supported)*, Internet Router or Wireless Access Point.
- NetDisk must use FAT32 format.
- To share NetDisk each computer on the network must install the corresponding NetDisk Driver.
- On Windows XP/2000, install the same NetDisk driver v 3.x.x.
- On MacOSX, install the same NetDisk driver 1.x
- NetDisk must be registered onto each computer.
- **Write access is assigned to one Mac computer (For more detail, please refer to subsection Write Access in Software installation for Mac) at a time and is passed manually from one computer to another.**

*Although PHR-100NDAS requires to be connected to Network switch, computers using it can be plugged into regular Ethernet hub in the LAN.

Warning:

. Do not perform disk operations (format, partition and chkdsk) when multiple computers are connected.
. NetDisk can be formatted, partitioned, chkdsk only when one computer is connected.
. When sharing NetDisk between Windows 2000 and Windows XP, per form chkdsk, if data corrupt occurs, NetDisk function will be restored. However, corrupted data will be lost. Therefore, do not force to take over and mount Read/Write access before other computers are unmounted the write access permission.

Software Installation for Mac

USB2.0 Mode in Mac

When the enclosure is connected to the computer USB port using included USB cable, Mac OS will recognize it automatically and mount the drive to desktop. If the hard drive is not initialized yet, please refer to section “IDE Hard Drive Partition and Format” for instruction.

Using Network Mode in Mac

Note: Current NDAS driver for Mac Supports only PowerPC – based Mac. Please check availability of NDAS driver for Intel-based Mac in our website.

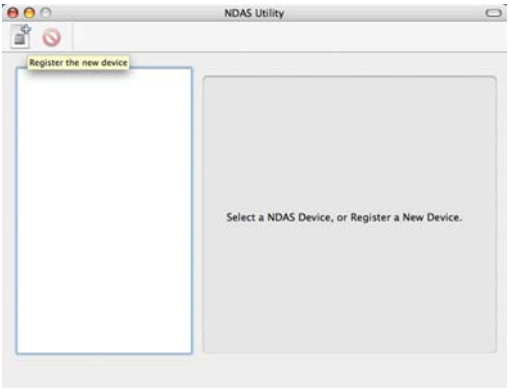
A) Driver Installation

1. Insert included CD.
2. Select to open the OS folder to match your operating system.
3. Run “NDAS Install.mpkg” file.
4. Follow through the installer window to complete driver installation.
5. Restart computer.

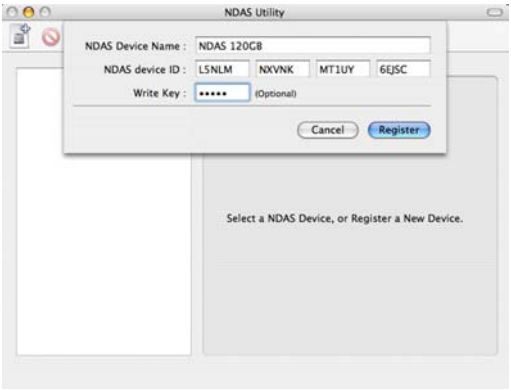
B) Drive Registration and Mount the NetDisk Drive

1. Power on and use included Ethernet cable to plug NetDisk enclosure into available Ethernet port on the Router, switch or Wireless Access Point in you Local Area Network (LAN).
2. Open “NDAS Utility” from Go > Utilities (or Application > Utilities).

3. Click on icon on the top-left corner of the window to register a new device.



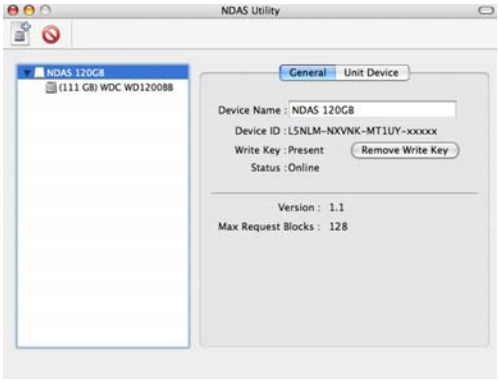
4. Enter a name for “NDAS Device Name”.
5. Enter the ID in area for “NDAS Device ID”.
   (Please find ID and Key at bottom side of the enclosure)



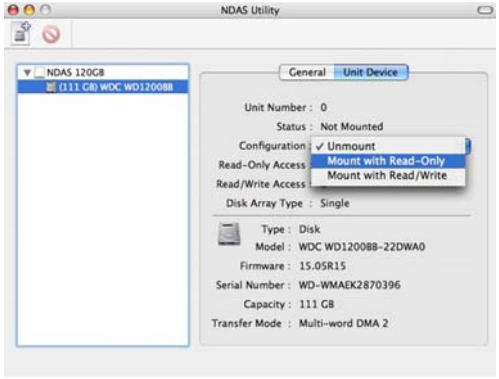
Note: NDAS device ID in this picture is an example

6. Enter the “Write Key” to have write access to the NetDisk storage. Or you can choose to leave it blank, use NetDisk as Read only device. Enter “Write Key” later to obtain write access permission when needed.

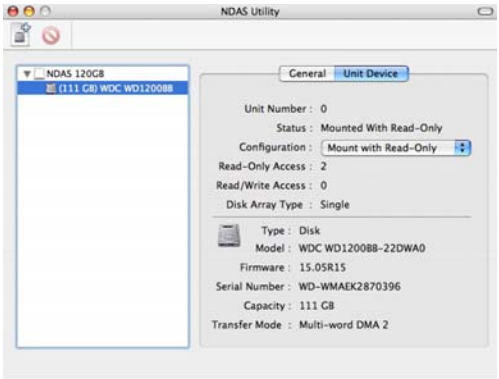
7. Click on “Register” button to complete the registration process. NetDisk Storage will be listed in the left side of window.



8. Select the hard drive under the storage.



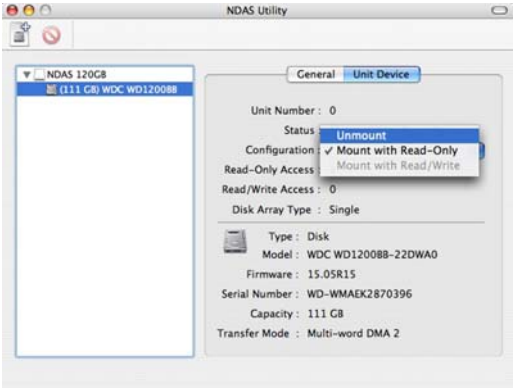
9. Under “Unit Device” tab, in “Configuration”, select Mount with appropriate access rights. “✓” check mark shows current mounting status (Note: If “Write Key” was not provided when registering the device, “Mount with Read/Write” option is grayed out.)



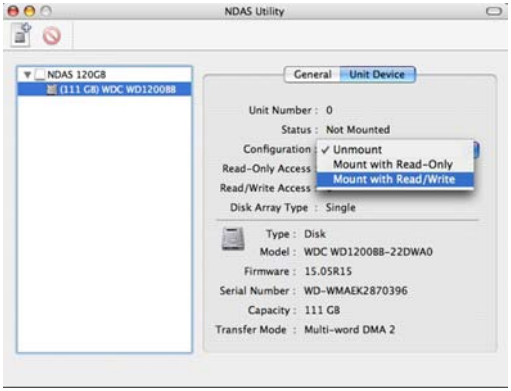
10. The storage will mount as an orange icon on the desktop, the process might takes up to 2min.
11. If you have multiple NetDisk connected, repeat step 3 through step 10.

C) Eject, Unmount and Remount the NetDisk Drive

1. To disconnect the NetDisk from Mac, just simply drag the orange NetDisk icon to Trash can, or right click on the NetDisk icon and eject it.
2. If you need to unmount NetDisk for changing Read, Write access or for troubleshooting, please open “NDAS Utility”, highlight the hard drive and select the option to “Unmount” the device under “Unit Device” tab.



3. To mount NetDisk again, just choose the desired access permission and click to complete.



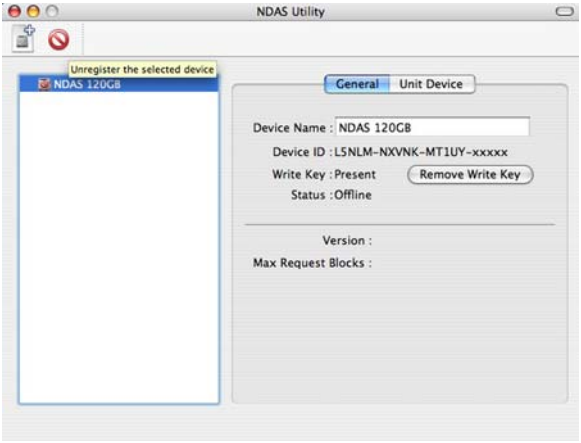
D) Write Access

In a network environment where only Windows 2000 or XP computers need to access and share NetDisk, every computer can be assigned or mounted with Read/Write access permission and all computers are able to read and write to the NetDisk simultaneously.

However, in a network environment with all Macintosh or mix of Widows PC and Macintosh sharing the NetDisk, **to prevent data corrupt** in NetDisk, it is very critical to remember, all Windows PC computers can mount NetDisk with Read/Write permission and all Macintosh computers mount NetDisk with Read-Only. If one of the Macintosh computer needs to mount as Read/Write to the NetDisk, please re-mount all the other computers (both PC and Mac) as Read-Only first, and mount the Macintosh computer as Read/Write.

E) Unregister NetDisk

To unregister the NetDisk, please eject and unmount the NetDisk drive first, then highlight the NDAS device, click to unregister it.



Software Installation for PC

USB Mode in Windows 2000/XP

Power on NetDisk, plug the USB cable into any available port, Windows 2000 or XP will start installing the proper driver. Please follow the on-screen instruction to complete the driver installation. If the hard drive is not partitioned and formatted yet, please refer to section “IDE Hard Drive Partition and Format” section for instruction. The NetDisk drive will mount and work as a regular external USB2.0 hard drive.

Using NDAS Mode in Windows 2000/XP

A) Driver Installation

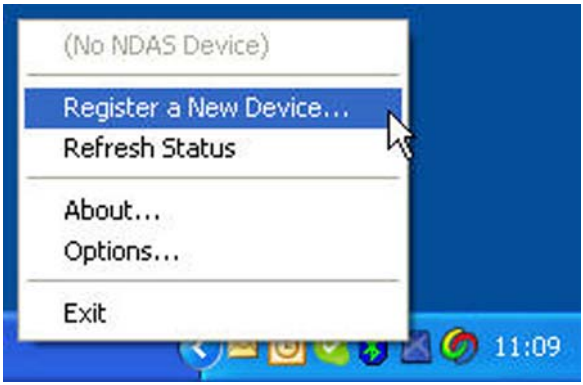
1. Insert included CD.
2. Open the “NDAS Driver” folder and click to run Setup.exe.
3. Follow through the installation.

Please note, during installation, Microsoft Logo testing or digital signature (in Windows 2000) message window will pop up, please click on “Continue Anyway” or “Yes” button to finish the installation.

4. Restart the computer to complete the driver installation procedure.

B) Drive Registration, Mount and Configuration

1. Click NDAS Device Management icon , located on the System Tray.
2. Select “Register a New Device”. Click on “Next” to continue.



3. Assign name for the device under “NDAS Device Name”. Click on “Next” to continue.

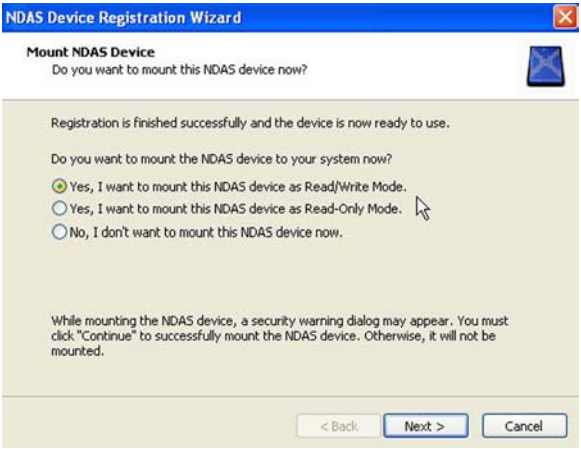
NDAS Device Registration Wizard
NDAS Device Name
Specify the name for the NDAS device.
Please choose a name for the NDAS device. This name will be used to identify the NDAS device in your system only.
The name can be up to 30 characters long.
Please enter the name.
NDAS 120GB
Click Next when you finish.
< Back
Next >
Cancel

4. Find ID and Key at bottom side of the enclosure. Enter the enclosure ID, and the Write Key for write access to the enclosure under “NDAS Device ID”. Click on “Next” to continue.

NDAS Device Registration Wizard
NDAS device ID
Enter the NDAS device ID to register.
To register the NDAS device, please enter the NDAS device ID. The ID and Write Key are located on the bottom of the NDAS device.
NDAS device ID is composed of 20 characters.
Please enter the NDAS device ID.
L5NLM
NXVNK
MT1UY
6EJSC
Write Key is needed for Read/Write mode. It is composed of 5 characters.
Please enter the Write Key. (Optional)
•••••
Click Next when you finish.
If the NDAS device ID and/or the Write Key is invalid, Next will not be enabled.
< Back
Next >
Cancel

Note: NDAS device ID in this picture is an example

5. Select the options available to mount the NDAS device. (Note: If Write Key was not provided when registering the device, “mount with Read/Write mode” option is gray-out, only “mount with Read-Only mode” option is available)

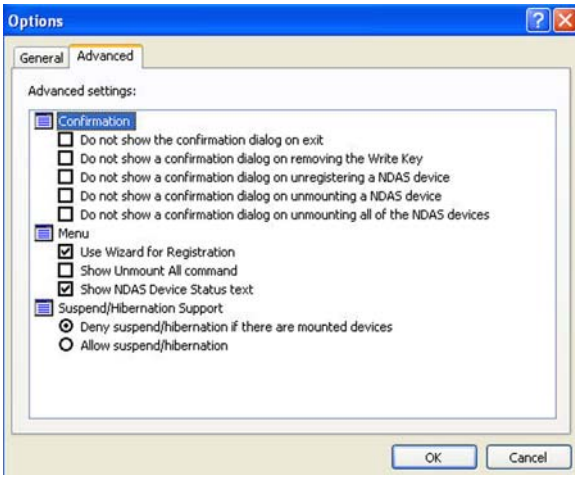

NDAS Device Registration Wizard
Mount NDAS Device
Do you want to mount this NDAS device now?
Registration is finished successfully and the device is now ready to use.
Do you want to mount the NDAS device to your system now?
Yes, I want to mount this NDAS device as Read/Write Mode.
Yes, I want to mount this NDAS device as Read-Only Mode.
No, I don't want to mount this NDAS device now.
While mounting the NDAS device, a security warning dialog may appear. You must click "Continue" to successfully mount the NDAS device. Otherwise, it will not be mounted.
< Back
Next >
Cancel

6. Once mount option will be selected, click on “Next” button, and “Found New Hardware wizard” window will show up. Select “Yes, this time only” option, and click on “Next”.
7. Select “Install the software automatically” option, and click on “Next”.
8. Click “Finish” to complete the installation procedure. The storage will appear under “My Computer” as a local hard drive. If you have multiple NetDisk connected, please repeat step 2 through step 8 to register them all.

NDAS Device Registration Wizard
Completing the NDAS Device Registration Wizard
You have successfully completed the NDAS device Registration Wizard.
To close this wizard, click Finish.
< Back
Finish
Cancel

9. To view current list of computer hosts mounting in the NetDisk, click on “Properties…” in the menu, and click on Hosts tab to see the list. It is useful for troubleshooting purpose.

10. To configure advanced setting, click on NDAS Device Management icon in the system tray, select “Options …” and go to Advanced Tab. We recommend you keep the default setting, only make change to what you are certain with.


Options
General
Advanced
Advanced settings:
Confirmation
Do not show the confirmation dialog on exit
Do not show a confirmation dialog on removing the Write Key
Do not show a confirmation dialog on unregistering a NDAS device
Do not show a confirmation dialog on unmounting a NDAS device
Do not show a confirmation dialog on unmounting all of the NDAS devices
Menu
Use Wizard for Registration
Show Unmount All command
Show NDAS Device Status text
Suspend/Hibernation Support
Deny suspend/hibernation if there are mounted devices
Allow suspend/hibernation
OK
Cancel

C) Remove, Unmount and Remount the NetDisk drive

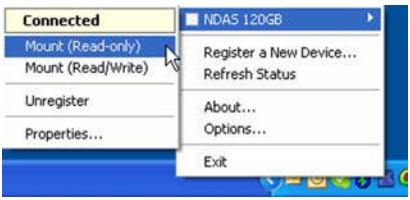
1. To remove NetDisk, please click “Safely Remove Hardware” icon

on system tray to pop up a menu, then click on “Safely remove NDAS SCSI Controller…”

Safely remove NDAS SCSI Controller - Drive(M:)
Safely remove USB Mass Storage Device - Drive(G:)
Safely remove USB Mass Storage Device - Drives(H:, I:, J:, K:)

2. To unmount NetDisk before changing Read or Write access. Select the NetDisk, and click Unmount in the NDAS Device Management menu

3. To mount NetDisk with different Read or Write access. Select the NetDisk, and click the desired mount access (Read Only or Read/Write)



D) Write Access

In a network environment where only Windows 2000 or XP computers need to access and share NetDisk, every computer can be assigned or mounted with Read/Write access permission and all computers are able to read and write to the NetDisk simultaneously.

However, in a network environment with all Macintosh or mix of Widows PC and Macintosh sharing the NetDisk, **to prevent data corrupt** in NetDisk, it is very critical to remember, all Windows PC computers can mount NetDisk with Read/Write permission and all Macintosh computers mount NetDisk with Read-Only. If one of the Macintosh computer needs to mount as Read/Write to the NetDisk, please re-mount all the other computers (both PC and Mac) as Read-Only first, and mount the Macintosh computer as Read/Write.

IDE Hard Drive Partition and Format Procedures

To mount PHR-100NDAS in computer system under USB2.0 mode or Network Mode, you need to make sure the hard drive inside PHR-100NDAS has a required format for your computer network environment.

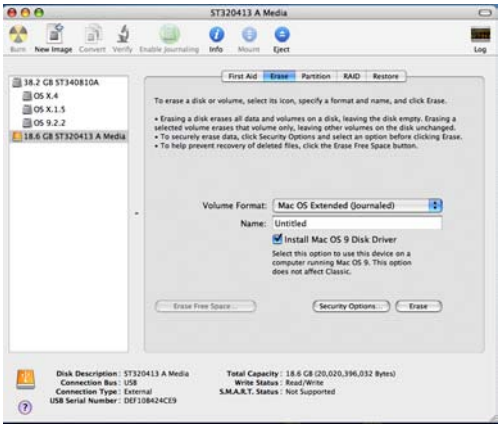
Warning: Partition and format procedures in Mac and PC will wipe out all the previous data in the NetDisk hard drive, please back up your data first if you wish to keep them.

Under MacOSX

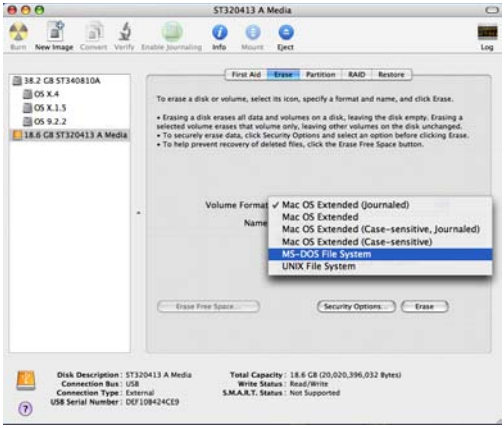
For an all-Mac computer network environment or if NetDisk will be shared among Mac computer only, you can choose to initialize PHR-100NDAS into MacOS format. However, if PHR-100NDAS will be shared between Mac and Windows Computers in a mixed network environment, you must initialize it into MS-DOS (FAT32) format.

Procedures under MacOS 10.3 and 10.4 are described below.

1. To initialize (format) the hard drive in PHR-100NDAS, please disconnect PHR-100NDAS from the network, power on and connect it to a MacOSX system with USB cable.
2. On the desktop, click on Go > Utilities, double click to launch Disk Utility. Select the PHR-100NDAS hard drive (orange color USB drive) in the list and click on top Erase button.


ST320413 A Media
Burn
New Image
Convert
Verify
Enable Journaling
Info
Mount
Eject
Log
First Aid
Erase
Partition
RAID
Restore
38.2 GB ST340810A
OS X.4
OS X.1.5
OS 9.2.2
18.6 GB ST320413 A Media
To erase a disk or volume, select its icon, specify a format and name, and click Erase.
• Erasing a disk erases all data and volumes on a disk, leaving the disk empty. Erasing a selected volume erases that volume only, leaving other volumes on the disk unchanged.
• To securely erase data, click Security Options and select an option before clicking Erase.
• To help prevent recovery of deleted files, click the Erase Free Space button.
Volume Format:
Mac OS Extended (Journaled)
Name:
Untitled
Install Mac OS 9 Disk Driver
Select this option to use this device on a computer running Mac OS 9. This option does not affect Classic.
Erase Free Space...
Security Options...
Erase
Disk Description: ST320413 A Media
Connection Bus: USB
Connection Type: External
USB Serial Number: DEF108424CE9
Total Capacity: 18.6 GB (20,020,396,032 Bytes)
Write Status: Read/Write
S.M.A.R.T. Status: Not Supported

3. Click on ⬍ icon in volume Format to choose MS-DOS File System or MacOS Extended format suitable to your computer network environment.


ST320413 A Media
Burn
New Image
Convert
Verify
Enable Journaling
Info
Mount
Eject
Log
38.2 GB ST340810A
OS X.4
OS X.1.5
OS 9.2.2
18.6 GB ST320413 A Media
First Aid
Erase
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RAID
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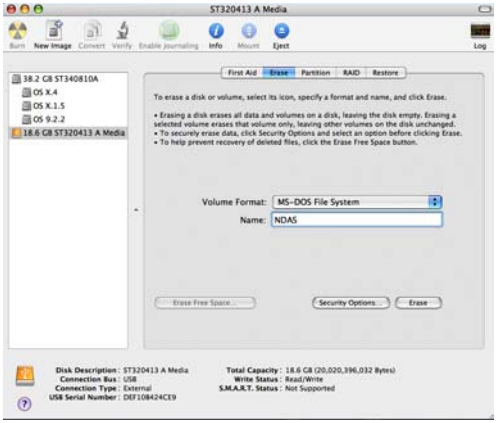
• To securely erase data, click Security Options and select an option before clicking Erase.
• To help prevent recovery of deleted files, click the Erase Free Space button.
Volume Format
Name
✓ Mac OS Extended (Journaled)
Mac OS Extended
Mac OS Extended (Case-sensitive, Journaled)
Mac OS Extended (Case-sensitive)
MS-DOS File System
UNIX File System
Erase Free Space...
Security Options...
Erase
Disk Description : ST320413 A Media
Connection Bus : USB
Connection Type : External
USB Serial Number : DEF108424CE9
Total Capacity : 18.6 GB (20,020,396,032 Bytes)
Write Status : Read/Write
S.M.A.R.T. Status : Not Supported

4. Enter a name for the Volume, and click bottom Erase button to proceed,


ST320413 A Media
Burn
New Image
Convert
Verify
Enable Journaling
Info
Mount
Eject
Log
38.2 GB ST340810A
OS X.4
OS X.1.5
OS 9.2.2
18.6 GB ST320413 A Media
First Aid
Erase
Partition
RAID
Restore
To erase a disk or volume, select its icon, specify a format and name, and click Erase.
• Erasing a disk erases all data and volumes on a disk, leaving the disk empty. Erasing a selected volume erases that volume only, leaving other volumes on the disk unchanged.
• To securely erase data, click Security Options and select an option before clicking Erase.
• To help prevent recovery of deleted files, click the Erase Free Space button.
Volume Format: MS-DOS File System
Name: NDAS
Erase Free Space...
Security Options...
Erase
Disk Description : ST320413 A Media
Connection Bus : USB
Connection Type : External
USB Serial Number : DEF108424CE9
Total Capacity : 18.6 GB (20,020,396,032 Bytes)
Write Status : Read/Write
S.M.A.R.T. Status : Not Supported

5. Once completed, new USB drive will mount on the desktop.
6. You can disconnect the USB cable, and use Ethernet cables to connect PHR-100NDAS to network switch, internet router or wireless access point.

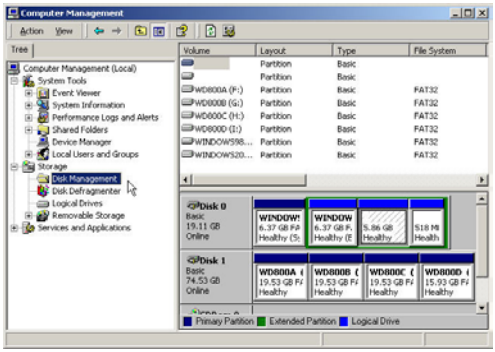
Under Windows 2000/XP

For an all-windows 2000/XP computer network environment or only Windows PC will share the NetDisk, we recommend you to format it to NTFS. However, if PHR-100NDAS will be shared between both MacOSX and Windows computer, you have to format it to FAT32. Standard Windows Disk Management described next will allow you to format hard drive up to 30GB into FAT32, and hard drive larger than 30GB into only NTFS. If FAT32 must be used in hard drive larger than 30GB, you should refer to previous section “Under MacOSX” to use Disk Utility, or use a third party PC software Swissknife from www.compuapps.com to do FAT32 format.

To format hard drive in PHR-100NDAS, please disconnect PHR-100NDAS from the network and connect it to a Widows 2000/XP PC with USB cable.

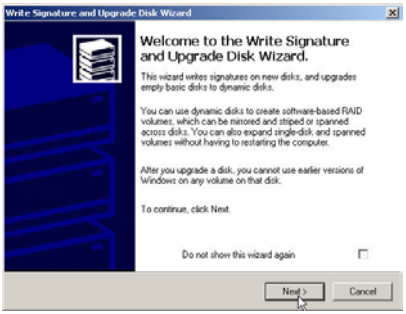
If you can see a new entry under Disk drives of Device Manager, you are ready to partition and format the drive.

1. Open Control panel, “Administrative Tools” and “Computer management”.



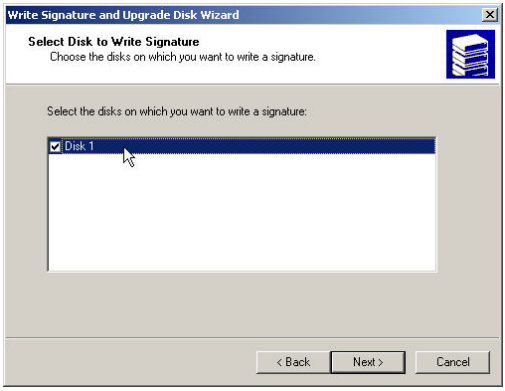
Step 2

2. Click on “Disk Management”.


Write Signature and Upgrade Disk Wizard
Welcome to the Write Signature and Upgrade Disk Wizard.
This wizard writes signatures on new disks, and upgrades empty basic disks to dynamic disks.
You can use dynamic disks to create software-based RAID volumes, which can be mirrored and striped or spanned across disks. You can also expand single-disk and spanned volumes without having to restarting the computer.
After you upgrade a disk, you cannot use earlier versions of Windows on any volume on that disk.
To continue, click Next.
Do not show this wizard again
Next >
Cancel

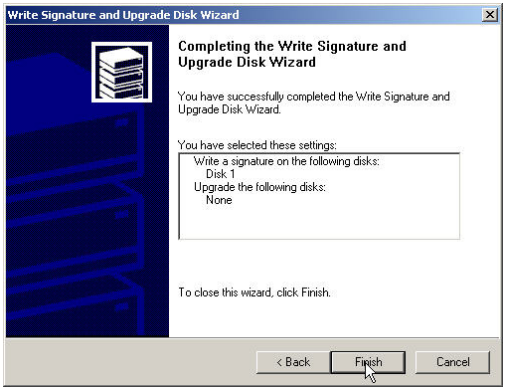
Step 3

3 “Write Signature and Upgrade Disk Wizard” windows will show up and click “Next”.


Write Signature and Upgrade Disk Wizard
Select Disk to Write Signature
Choose the disks on which you want to write a signature.
Select the disks on which you want to write a signature:
Disk 1
< Back
Next >
Cancel

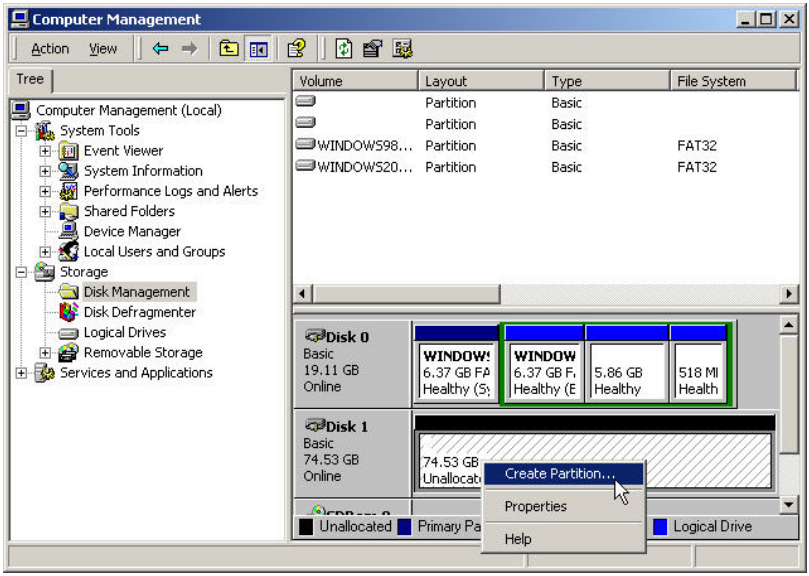
Step 4

4. Write a signature to the new drive, click “Next”.

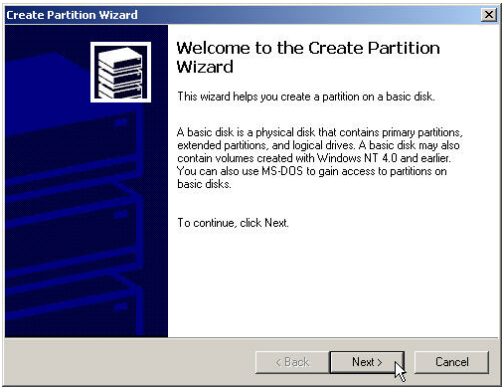

Write Signature and Upgrade Disk Wizard
Completing the Write Signature and Upgrade Disk Wizard
You have successfully completed the Write Signature and Upgrade Disk Wizard.
You have selected these settings:
Write a signature on the following disks:
Disk 1
Upgrade the following disks:
None
To close this wizard, click Finish.
< Back
Finish
Cancel

Step 5

5. Click “Finish” to close the wizard.



6. Select the new “Unallocated” disk, and then right click to choose “Create partition”.


Create Partition Wizard
Welcome to the Create Partition Wizard
This wizard helps you create a partition on a basic disk.
A basic disk is a physical disk that contains primary partitions, extended partitions, and logical drives. A basic disk may also contain volumes created with Windows NT 4.0 and earlier. You can also use MS-DOS to gain access to partitions on basic disks.
To continue, click Next.
< Back
Next >
Cancel

Step 7

7. Follow the onscreen instruction to partition and fully format the drive.

If it assigns a new hard drive letter but format dose not run automatically, please exit “Computer Management”, and find the new drive letter in My computer to format it completely.

Frequently Asked Questions

1. How can I ensure data integrity and availability in the NetDisk?
You should regularly back up your data in the NetDisk, this is the only way to keep data safe. Following instructions properly and thoroughly in user's manual will ensure functionality of the NetDisk and data integrity.

We do not perform any data recovery services. If you are unable to access data on your NetDisk due to a defective Hard Drive, you may wish to contact an independent, data recovery service provider. If the Hard Drive is still functioning, there is Data Recovery software out there that can get your data back.

2. I find a newer version of NDAS driver and plan to install it, what are the procedures?
All the Windows computers sharing NetDisk must use the same version of PC driver, and all Mac must use the same version of Mac driver (Mac and PC driver version # can be different). Therefore, when upgrading the NDAS driver, please uninstall current NDAS driver first, restart computer and install the new driver. Repeat upgrading steps in all computers that the new driver is made for. If only Windows driver has newer version, you can upgrade in Windows PC, and keep using the same driver in Mac computer. Vice versa.

3. What are the documented Router/ Wireless Access Point/Card incompatible with NetDisk?
The unsupported products are:
DLINK-713P, 714P
SMC-7004AWBR, SMC7000VWBR
Linksys WAG54G
Linksys WPC11 Version 4 card
If you have a router using that has Turbo Mode, then you may have to switch to 54G mode to use with NetDisk.

4. Does NetDisk have an IP address?
NetDisk does not use IP Addressing and does not run TCP/IP.

For Windows 2000/XP

1. I am having trouble using Multi-write over wireless connection. What do you recommend?
Try a wired connection and compare how it works. If you are using wireless with other computers, we recommend enabling the hard-wired computer first, then the wireless computer.

When using wireless, we also recommend 802.11g. When using 802.11b, we highly recommend hardwiring your computer when doing large file transfers because of the low bandwidth associated with 802.11b.

2. How should I format NetDisk?
We recommend formatting NetDisk via NDAS (Ethernet) mode. If using NetDisk as a USB device only, then it is OK to format via USB.

3. How do I disconnect NetDisk?
We always recommend using the Disable option from your NetDisk Administrator Tool if connected via NDAS (Ethernet). You can use the "Unplug or Eject Hardware" icon in your System Tray to stop the NetDisk before disconnecting (this applies to either USB or NDAS mode).

4. When I try to write to NetDisk I get a "write protected" error and cannot write to the disk.
The permissions scheme may need to be reset. Try disabling the NetDisk on all machines first, then re-enable them one by one. If that doesn't help, try rebooting the machines and power cycling NetDisk.

5. When I try to write to NetDisk, I get the following error message: "NetDisk is being used by non-compatible software on another PC. You can use read-access only for now." What does this mean?
This means that there is another computer on the network that has a different version of the NetDisk software installed. All machines must have the same exact version of our software. Please make sure that all computers have the same exact version of NetDisk software installed. For instance, 3.02 is different from 3.03.

6. Can I set the "My Documents" folder to point to my NetDisk instead of a place on my local hard drive?
We do not recommend doing this, as your computer will be dependent on this location during software installation and uninstallation. You may receive Windows Error Messages looking for a nonexisting location.

7. My computer is moving very slowly when my NetDisk is enabled. What's wrong with it?
This is a result of a bad connection between the computer and the NetDisk. First, please make sure that NetDisk is connected to only network switches, Internet routers or wireless AP, and that it is not using any network hubs. (Note: If you have other network hub in the network, it is no problem to connect computer to the network hub). Also, if you have any software firewalls installed on your computer (i.e. Norton Internet Security, McAfee Personal Firewall, etc.), make sure to add Admin.exe and LDServ.exe into their list of programs to Allow with full access. You can also try disabling your Antivirus software to see if that makes a difference. Please also try power cycling your NetDisk and switch as well.

8. Sometimes when I transfer files to my NetDisk, why is the speed so slow?
Try updating your Network Card's drivers to the latest from the manufacturer. If you network card has the option of changing the transmit and receive buffers to both 128 (in the card's properties in device manager), please try doing that. If you have an nForce chipset, try updating your Nvidia nForce drivers to the latest Unified Drivers from Nvidia's website. Please also make sure that you are using 100mb switch as well.

9. I've installed my NetDisk and it shows up as a Black Dot in NDAS Device Management.
Make sure you are using the latest version of NetDisk software. USB does not require NetDisk software to work; so if you are using USB, NDAS Device Management dose not detect NetDisk in the network and this explains why there is a black dot. Also, double check the following: the power cable is plugged in tightly, the LED light is blinking in the switch port where NetDisk is connected.

Also, latest versions of antivirus software have a feature called Script Blocking. Please ensure that this feature is disabled along with any firewall software before installing NetDisk software.
You might also need to enable NetDisk protocol and programs to run alongside your firewall software. Even after you have done these steps, your firewall/antivirus software may still block access.

If using Wireless, make sure you are connected to the wireless router and that the signal is strong. Try to check for and install the latest firmware from your router's manufacturer website and for the latest drivers for your wireless card. You can also try plugging in via Ethernet to see if it works that way. If using VPN software, try unchecking the box for Deterministic Network Enhancer or any other VPN protocol in your NIC Properties.

If, after everything, it is still showing as a black dot, please try disabling all your Startup items and non-Microsoft services from your msconfig utility. Msconfig can be accessed by clicking on Start-> Run-> and typing in "msconfig" and clicking OK.

For further help, please contact techsupport@macally.com or call 626-214-2770

10. When trying to mount NetDisk to my computer, I experience some problem.
When first time registering the NDAS, you may not have entered all the NDAS device ID (alpha-numeric values) correctly. Please check NetDisk ID and write key from bottom side of the enclosure again. There are no letter "O"s in ID; please verify that you have used the number "0" (zero) for anything resembling an "O." Also please check your other letters as well; two V's may look like a W. Please also make sure that there are 20 characters for the NetDisk ID, not including the Write Key. You can always unregister the problematic device, and start over to register the NetDisk again.

11. I have registered the NetDisk but cannot see NetDisk in "My Computer." What should I do?
Click on the NDAS device Management icon in your System tray and make sure NetDisk is mounted. There should be a dot next to your NetDisk, colored either Blue (Read/Write) or Green (Read Only). If it is a black colored dot, then please go to the FAQ: "I've installed my NetDisk and it shows up as a Black Dot in NDAS Device Management."

If NetDisk is mounted, open "Computer Management" by right -clicking on "My Computer." Go to "Manage," then click on "Disk Management." Check if your NetDisk is recognized. It should show up as Disk 1 or Disk 2 or a different number depending on the number of drives that you have in your computer. Make sure that the NetDisk is partitioned and formatted. If you see something that says "Unallocated," please refer to section “IDE Hard Drive Partition and Format” to format your NetDisk. Then, it should mount in “My Computer”.

12. Why am I getting a "Data has been corrupted" message when I try to open or copy a file?
Please unmount NetDisk from all computers except one Windows PC, from which “chkdsk” command will be run. Open up Command Prompt Window and run "chkdsk" to restore the NetDisk.
Go to Start > Run > type in "cmd" without the quotation marks.
Then type in "chkdsk NetDiskDriveLetter: /F"
For example, if your NetDisk shows up as drive letter E: in My Computer, you would type in the following: chkdsk E: /F
Note: “chkdsk” allows you to restore NetDisk function, but it cannot repair corrupted data. Regular back up is always the safe way to keep your data.

13. Why do I keep getting this error message: “The device (NetDisk) cannot be stopped right now. Try stopping the device again later." ?
Close any windows that are displaying your NetDisk and retry what you were doing earlier. If you continue to get that error message, reboot your computer. However, if you were copying a large amount of files, it is possible that it is still being copied in the background from its cache. You may need to wait until it is finished before continuing. If that does not work, then try rebooting your computer and try again.

14. I just installed NetDisk; why is the NetDisk showing up as a red color?
Try unplugging your NetDisk's power cord, wait about 10 seconds, and plug it back in. If this doesn't work, try restarting your computer as well. Please try disabling your firewall/antivirus software and if that works then you may need to configure the software to allow your NetDisk to run.

15. I keep getting “Internal Error; Update Failed." What does this mean?
Try updating to our latest drivers to see if that fixes the problem.
Before installing our NetDisk software, please disable any Firewall/Antivirus software and also make sure that Script Blocking is turned off for antivirus software. If problems still persist, please try uninstalling the Firewall/Antivirus software and reinstall NetDisk software. Also try updating your NIC drivers to the latest available.

16. I am getting the message “Connection closed abnormally. Try to reconnect." What does this mean?
Check to make sure that you are using the latest version of our software. If NetDisk keeps losing its connection to your computer, check your USB or Ethernet cable connection.

Also, make sure NetDisk is plugged into a 100mb/full duplex capable switch and that you are using a 10/100mb Network Card. NetDisk is not supported on hubs. If you have your switch uplinked to another one, try putting NetDisk and your computer on the same switch and retry.
Try setting your NIC's speed/duplex settings to 100MB/full duplex: Right click on My Network Places - click on Properties - right click on Local Area Connection and click on Properties. Then click on the Configure button next to your NIC- and click on the Advanced tab. There, you should be able to find something related to "Speed & Duplex", "Media Settings", etc . where, once highlighted, you can click on a drop down menu and select 100mb/full duplex. You can also try going to your NIC (Ethernet card) manufacturer and downloading the latest drivers. If using a DSL router, please try updating the firmware on it as well.

If you are using an Antivirus/Firewall software, please try disabling it and see if that solves the issue. The latest versions of antivirus software have Script Blocking. Try disabling that as well because disabling Antivirus may not necessarily disable that feature.

If your NetDisk is shared on a network, we also recommend using NTFS format in NetDisk for multi-write software in an all-Windows PC network environment.

17. I keep getting Autoplay when I plug in NetDisk. How can I avoid it?
Create a blank text file in the root directory of your NetDisk and name it "autorun.inf". Place this in the root directory of your NetDisk letter in "My Computer." This should stop the Autoplay prompt.

18. Using Windows file sharing function, after reboot, share gets lost. Is there any work around?
Create a batch file and place it in your startup folder. To create batch file:
- Open up notepad -
- Type in "net share sharename=DriveLetter:path" (For example net share NetDisk =F:)
- Save the file as a .bat extension. (For example, the file name would be called " Net-Disk.bat")

19. Why can't my computer go into hibernation or standby?
If you want to use your computer in hibernation or standby, you must have NetDisk unmounted before that can occur. Click on the NDAS Device Management icon on your system tray, select the NDAS device, and click unmount to disconnect the NetDisk. Then computer will go into hibernation or standby.

20. I have clicked on the NDAS Device Management icon on my desktop and nothing happens.
The icon on the desktop is only used to launch our icon into the system tray, if for some reason it is not already there. The icon in the system tray must be tested working first.

21. When I try to copy something to my NetDisk, why does the following show up: "Cannot copy NetDisk Administrator: The disk is write-protected. Remove the write-protection or use another disk."?
You probably do not have Read/Write access. Please unmount write access from another computer (Mac most likely) first. Click on the NDAS Device Management Icon in your bottom-right system tray. Go to your NetDisk and then click on "Enable Read/Write."

22. Why can't I format my whole NetDisk to FAT32?
Windows 2000/XP comes with a limitation of only 32GB partitions that it can create. This is a Windows limitation and the only resolution is to use a 3rd party partitioning software swissknife downloadable in http://www.compuapps.com. With our Multi-Write drivers, NTFS is recommended anyways for stability and performance purposes.

For USB Connection

1. I have plugged in NetDisk to my USB port and cannot see NetDisk in My Computer.
First double check Jump setting in the hard drive, it should be set to Master made in IDE drive and single Master for Western Digital hard drive. Please plug NetDisk into a different USB port on your PC, or try using different USB cable.

With Windows 2000/XP and MAC, NetDisk uses the Operating System's built-in USB drivers, therefore, no additional software is necessary. Please make sure that NetDisk is formatted to the supported files system to meet requirement of your network environment.

2. My NetDisk shows up as a Black dot when used with USB.
When used with USB mode you will see a black dot (disconnected from network) in the system tray as that is an indicator for NDAS (Ethernet) mode.

For Mac Connection

1. Dose NetDisk support new Intel-base Macintosh computer?
Current driver dose not support Intel-based Macintosh computer yet. We will post new driver in our website when it is available.

2. Why is only one Mac allowed to write to NetDisk at a time, and all the rest of computers need to be mounted as Read-Only first?
It is designed to prevent data corrupt; we suggest you assign Read/Write only to single Mac computer which uploads (write) to NetDisk most often, the rest of computers can download (Read) only. If other computer needs to upload, please pass the write access permission manually. Never force to take write access without being accepted by other computers first.